

CLAIMS

1. A method for dynamically registering a function in a device that includes at least two operating modes comprising a privileged mode and a non-privileged mode, the method comprising:

identifying an available slot in a data structure that maps identifiers to functions;
storing a pointer associated with the function in the slot;
retrieving an identifier that is associated with the slot; and
making the identifier accessible to non-privileged applications.

2. The method of claim 1, wherein the step of making comprises storing the identifier in memory that is readable by non-privileged applications.

3. The method of claim 1, wherein the data structure is a table that maps identifiers to functions.

4. The method of claim 3, wherein the identifier is an index into the table.

5. The method of claim 1, wherein the device is a wireless device.

6. The method of claim 1, further comprising performing the registration during device initialization.

7. Apparatus for dynamically registering a function in a device that includes at least two operating modes comprising a privileged mode and a non-privileged mode, the apparatus comprising:

logic to identify an available slot in a data structure that maps identifiers to functions;

logic to store a pointer associated with the function in the slot;

logic to retrieve an identifier that is associated with the slot; and

logic to make the identifier accessible to non-privileged applications.

8. The apparatus of claim 7, wherein the logic to make the identifier accessible comprises logic to store the identifier in memory that is readable by non-privileged applications.

9. The apparatus of claim 7, wherein the data structure is a table that maps identifiers to functions.
10. The apparatus of claim 9, wherein the identifier is an index into the table.
11. The apparatus of claim 7, wherein the device is a wireless device.
12. The apparatus of claim 7, comprising logic to perform the registration during device initialization.
13. Apparatus for dynamically registering a function in a device that includes at least two operating modes comprising a privileged mode and a non-privileged mode, the apparatus comprising:
 - means for identifying an available slot in a data structure that maps identifiers to functions;
 - means for storing a pointer associated with the function in the slot;
 - means for retrieving an identifier that is associated with the slot; and
 - means for making the identifier accessible to non-privileged applications.
14. The apparatus of claim 13, wherein the means for making the identifier accessible comprises means for storing the identifier in memory that is readable by non-privileged applications.
15. The apparatus of claim 13, wherein the data structure is a table that maps identifiers to functions.
16. The apparatus of claim 15, wherein the identifier is an index into the table.
17. The apparatus of claim 13, wherein the device is a wireless device.
18. The apparatus of claim 13, further comprising means for performing the registration during device initialization.
19. A computer-readable media comprising instructions, which when executed by a processor in a device, operate to dynamically register a function in the

device, wherein the device includes at least two operating modes comprising a privileged mode and a non-privileged mode, the computer-readable media comprising:

instructions for identifying an available slot in a data structure that maps identifiers to functions;

instructions for storing a pointer associated with the function in the slot;

instructions for retrieving an identifier that is associated with the slot; and

instructions for making the identifier accessible to non-privileged applications.

20. The computer-readable media of claim 19, wherein the instructions for making comprise instructions for storing the identifier in memory that is readable by non-privileged applications.

21. The computer-readable media of claim 19, wherein the data structure is a table that maps identifiers to functions.

22. The computer-readable media of claim 21, wherein the identifier is an index into the table.

23. The computer-readable media of claim 19, wherein the device is a wireless device.

24. The computer-readable media of claim 19, further comprising instructions for performing the registration during device initialization.